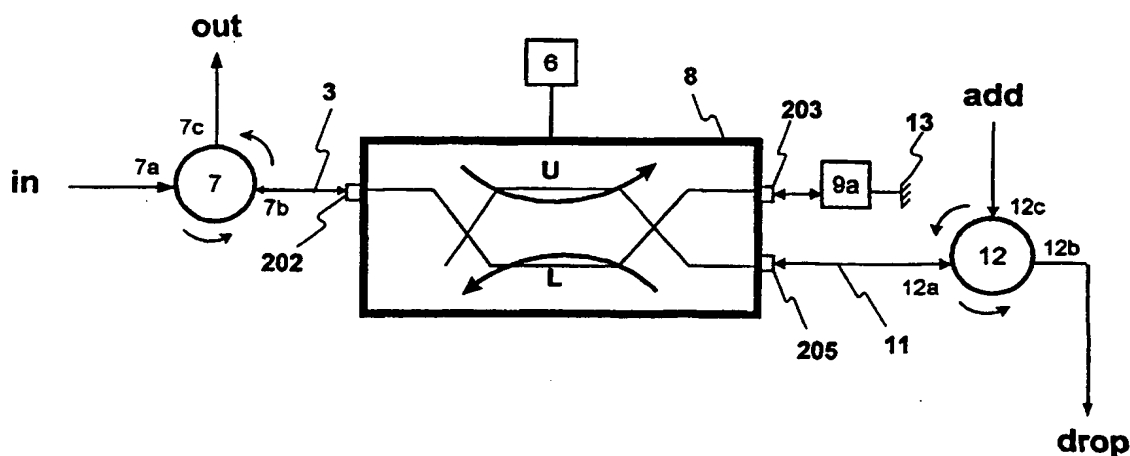




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(54) Title: ADD/DROP MULTIPLEXER WITH LINE IN REFLECTION AND WAVELENGTH SELECTIVE OPTICAL CROSS-CONNECT



## (57) Abstract

An acousto-optical add/drop multiplexer includes an acousto-optical switch including a first optical port coupled to a first polarization splitter, at least one polarization converter coupled between the first polarization splitter and a second polarization splitter, and second and third optical ports coupled to the second splitter. A first circulator is coupled to the first optical port, a mirror is coupled to the second optical port, and a second circulator is coupled to the third optical port. A wavelength selective optical cross-connect may be realized by coupling two such acousto-optical add/drop multiplexers by a single optical fiber to their respective third optical ports.